

## WHAT IS CLAIMED IS:

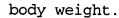
- 1. A method for inhibiting angiogenesis in a mammal in need thereof comprising administering to the mammal a monoclonal antibody or fragment thereof which acts as an antagonist of the integrins GPIIb/IIIa ( $\alpha_{_{\rm IIb}}$ ) and  $\alpha_{_{\rm V}}$  $\beta_{_{3}}$  in an amount effective to inhibit angiogenesis in said mammal.
- 2. The method according to claim 1, in which the antibody fragment is an Fab, Fab', or F(ab')2 fragment or derivative thereof.
- 3. The method according to claim 1, in which the monoclonal antibody has the identifying characteristics of monoclonal antibody 7E3, produced by the ATCC 8832 hybridoma cell line.
- 4. The method according to claim 1, in which the monoclonal antibody has the identifying characteristics of monoclonal antibody c7E3.
- 5. The method according to claim 1, in which the monoclonal antibody is administered intravenously.
- 6. The method according to claim 1, in which the monoclonal antibody is administered in the amount of about 0.25 mg/kg

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- The method according to claim 1, in which the monoclonal antibody is administered in the amount of about 0.25 mg/kg body weight followed by an infusion of 0.125 mg/kg/min of said antibody.
- ~ 8. The method according to claim 1, in which the mammal is selected from the group consisting of a primate, dog, cat, and human.



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- The method according to claim 1, in which the mammal is a human patient.
- The method according to claim 1, in which said 10. monoclonal antibody treats an inflammatory disease.



- 11. The method acdording to claim 1, in which said monoclonal antibody treats an inflammatory disease selected
- 20 from the group consisting of rheumatoid arthritis, macular degeneration, psoriasis, diabetic retinopathy.
- A method for inhibiting tumor growth in a mammal in need thereof comprising administering to the mammal a monoclonal antibody or fragment thereof which acts an antagonist of the . 25

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integrins, GPIIb/IIIa  $(\alpha_{_{\rm IIb}}\beta_3)$  and  $\alpha_{_{\rm V}}\beta_3$  in an amount effective to inhibit the growth of saight tumor.

- 13. A method for preventing tumor growth in a mammal in need thereof comprising administering to the mammal a monoclonal antibody or fragment thereof which acts as an antagonist of the integrins GPIIbATTLA  $(\alpha_{\text{IIb}}\beta_3)$  and  $\alpha_{\text{v}}\beta_3$  in an amount effective to prevent the growth of said tumor in said mammal.
- 10 14. A method for preventing metastases in a mammal in need thereof comprising administering to the mammal a monoclonal antibody or fragment thereof which acts as an antagonist of the integrins GPIIb/IIIa  $(\alpha_{_{\rm IIb}}\beta_{_3})$  and  $\alpha_{_{\rm V}}\beta_{_3}$  in an amount effective to prevent metastases in said mammal.

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